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D-8000 München 81(DE)(54) **Nucleic acid amplification process.**

(57) This invention relates to a process for amplifying a specific nucleic acid sequence. The process involves synthesizing single-stranded RNA, single-stranded DNA and double-stranded DNA. The single-stranded RNA is a first template for a first primer, the single-stranded DNA is a second template for a second primer, and the double stranded DNA is a third template for synthesis of a plurality of copies of the first template. A sequence of the first

primer or the second primer is complementary to a sequence of the specific nucleic acid and a sequence of the first primer or the second primer is homologous to a sequence of the specific nucleic acid. The amplification process may be used to increase the quantity of the specific nucleic acid sequence to allow detection, or to increase the purity of the specific nucleic acid sequence as a substitute for conventional cloning methodology.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A, D	EP-A-0 200 362 (CETUS CORP.) * The whole document *	1-5	C 12 Q 1/68 C 07 H 21/00
A, D	EP-A-0 201 184 (CETUS CORP.) * The whole document *	1-5	
E	EP-A-0 310 229 (THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY) * The whole document *	1-42	
E	WO-A-8 810 315 (SISKA DIAGNOSTICS, INC.) * The whole document *	1-42	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			C 12 Q C 12 N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-04-1990	Examiner CUPIDO M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		I : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	